On donne la conique (γ): $-4y^2 + 6xy + 4x^2 - x - y + 2 = 0$. Les questions 224 se rapportent à cette conique.

 $1.\left(\frac{-7}{50},\frac{1}{50}\right)2.\left(\frac{7}{50},\frac{-1}{50}\right)3.\left(\frac{-1}{50},\frac{7}{50}\right)4.\left(\frac{1}{50},\frac{7}{50}\right)5.\left(\frac{1}{50},\frac{-7}{50}\right)(M-2011)$

$$1.\left(\frac{-7}{50},\frac{1}{50}\right)2.\left(\frac{7}{50},\frac{-1}{50}\right)3.\left(\frac{-1}{50},\frac{7}{50}\right)4.\left(\frac{1}{50},\frac{7}{50}\right)$$

1.
$$\left(\frac{1}{50}, \frac{1}{50}\right)$$
 2. $\left(\frac{1}{50}, \frac{1}{50}\right)$ 3. $\left(\frac{1}{50}, \frac{1}{50}\right)$ 4. $\left(\frac{1}{50}, \frac{1}{50}\right)$

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1.
$$-10y + 20x - 3 = 0$$
 et $10x + 20y - 1 = 0$
2. $10y + 20x + 3 = 0$ et $10x + 20y - 1 = 0$

2.
$$10y + 20x + 3 = 0$$
 et $10x + 20y - 1 = 0$
3. $10y + 20x - 3 = 0$ et $10x - 20y - 1 = 0$

3.
$$10y + 20x - 3 = 0$$
 et $10x - 3$
4. $10y - 20x - 3 = 0$ et $10x - 3$

$$10y + 20x - 3 = 0$$
 et $10x - 3$
 $10y - 20x - 3 = 0$ et $10x - 3$

$$10y + 20x - 3 = 0$$
 et $10x - 3 = 0$ et $10x - 3 = 0$ et $10x - 3 = 0$

3.
$$10y + 20x - 3 = 0$$
 et $10x - 20y + 1 = 0$
4. $10y - 20x - 3 = 0$ et $10x - 20y - 1 = 0$

3. $3x^2-4y^2=9$, hyperbole 4. $x^2 + y^2 = 25$, cercle

 $x(t) = \cos t \operatorname{et} y(t) = \cos 2t.$

avec $t_0 = \frac{\pi}{2}$ est:

1. y = 2x2. y+1=0

5. $2x^2 + 3y^2 = 34$, ellipse

simple.

4.
$$10y - 20x - 3 = 0$$
 et $10x - 20y + 1 = 0$
5. $10y - 20x - 3 = 0$ et $10x - 20y - 1 = 0$

$$0x - 3 = 0$$
 et 1
 $x - 3 = 0$ et 1

$$3 = 0$$
 et $10x$

 $\sqrt{226}$. Par une translation d'axes, la conique Γ d'équation :

$$t = 10x - 2$$

L'équation réduite et la nature de Γ sont respectivement :

$$10x \pm 20$$
$$10x - 20$$

 $3x^2 - 4y^2 - 6x - 8y - 10 = 0$ est ramenée à sa forme réduite la plus

227. On considère la courbe (C) de représentation paramétrique donnée par

Une équation-cartésienne de la tangente à la courbe (C) au point M(t_o)

www.ecoles-rdc.net

(B-2012)

(M-2011)

5. y = x (M-2011)

